

Our Ref. No.: CISCO-7235

AMENDMENT(S) TO THE CLAIMS:

The following listing of claims will replace all prior versions, and listings, of claims on the application. All claims are set forth below with one of the following annotations.

- (Original): Claim filed with the application.
- (Currently amended): Claim being amended in the current amendment paper.
- (Canceled): Claim cancelled or deleted from the application. No claim text is shown.
- (Withdrawn): Claim still in the application, but in a non-elected status.
- (New): Claim being added in the current amendment paper.
- (Previously presented): Claim added or amended in an earlier amendment paper.
- (Not entered): Claim presented in a previous amendment, but not entered or whose entry status unknown. No claim text is shown.

1. (Currently amended) A method in a first wireless station of a wireless network, the method comprising:

waiting for a settable time interval to wirelessly receiving receive a configuration request message from a second wireless station within the settable time interval; and

in the case a configuration request message is received within the settable time interval, generating a configuration data message for the second wireless station including one or more configuration parameters for the second wireless station, and wirelessly transmitting the configuration data message to the second wireless station,

such that the second wireless station can be configured.

2. (Currently amended) A method as recited in claim 1, wherein the method further comprises:

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wirelessly transmitting a discovery message,

wherein the configuration request message wirelessly received at the first station is wirelessly transmitted by the second wireless station in response to the discovery message being wirelessly received by the second wireless station, and

wherein the transmitting of the configuration message is after waiting for a backoff time interval.

3. (Currently Amended) A method as recited in claim 2, wherein the method further comprises:

setting ~~the~~ an output RF power level to a relatively low level for the wirelessly transmitting of the discovery message,

such that the range of reception of the wirelessly transmitted configuration data message is limited.

4. (Currently Amended) A method as recited in claim 2, wherein the wirelessly transmitting the discovery message includes:

wirelessly transmitting ~~a~~ the discovery message at a first output RF power level;

waiting for a configuration request message;

in the case that no configuration request message is wirelessly received within a period of time, wirelessly re-transmitting the discovery message at a higher output RF power level; and

repeating such waiting and re-transmitting until either a maximum output RF power level has been reached, or a configuration request message has been wirelessly received,

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such that the range of reception of the wirelessly transmitted configuration data message is limited.

5. (Original) A method as recited in claim 2, wherein the wirelessly transmitting a discovery message is in response to wirelessly receiving a command from a user.
6. (Original) A method as recited in claim 1, wherein the generating includes generating random numbers, and wherein configuration parameters includes a security key.
7. (Currently Amended) A method as recited in claim 1, wherein the first wireless station is an access point (AP) of the wireless network, and the second wireless station is to be a client station of the AP.
8. (Original) A method as recited in claim 7, wherein the wireless network substantially conforms to one of the IEEE 802.11 standards or a derivative thereof.
9. (Original) A method as recited in claim 7, wherein the configuration parameters includes a security key.
10. (Original) A method as recited in claim 8, wherein the configuration parameters includes a WEP key.

11. (Cancelled)

12. (Currently Amended) A method ~~as recited in claim 11, wherein the method further comprises:~~ in a first wireless station of a wireless network, the method comprising:

wirelessly transmitting a configuration request message,

wirelessly receiving a configuration data message from a second wireless station, the configuration data message being transmitted by the second wireless station within a settable time interval in response to the second station receiving the configuration request message;

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extracting one or more configuration parameters from the configuration data message; and

applying the one or more configuration parameters to the first wireless station to configure the first wireless station,

such that the first wireless station can be automatically configured ~~configuration data message is transmitted by the second wireless station in response to the second station receiving the configuration request message.~~

13. (Original) A method as recited in claim 12, further comprising:

wirelessly receiving a discovery message from the second wireless station

such that the wirelessly transmitting of the configuration request message is in response to the receiving of the discovery message.

14. (Currently Amended) A method as recited in ~~claim 11~~ claim 12, wherein the first wireless station is configured only if a user selects the first wireless station to be configurable.

15. (Currently Amended) A method as recited in claim 12, wherein the wirelessly transmitting a the configuration request message is in response to wirelessly receiving a command from a user.

16. (Currently Amended) A method as recited in ~~claim 11~~ claim 12, wherein the second wireless station is an access point (AP) of the wireless network, and the first wireless station is a client station of the AP.

17. (Original) A method as recited in claim 16, wherein the configuration parameters includes a security key.

18. (Original) A method as recited in claim 16, wherein the wireless network substantially conforms to one of the IEEE 802.11 standards or a derivative thereof.

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19. (Original) A method as recited in claim 18, wherein the configuration parameters includes a WEP key.
20. (Currently amended) A ~~carrier~~ computer-readable medium encoded with computer executable instructions that when executed by a processor in a first wireless station of a wireless network to carry out comprising one or more computer readable code segments to instruct a processor to implement a method in a in the first wireless station of a wireless network, the method comprising:
- waiting for a settable time interval to wirelessly receiving receive a configuration request message from a second wireless station within the settable time interval; and
- in the case a configuration request message is received within the settable time interval, generating a configuration data message for the second wireless station including one or more configuration parameters for the second wireless station, and wirelessly transmitting the configuration data message to the second wireless station,
- such that the second wireless station can be configured.
21. (Currently amended) A ~~carrier~~ computer-readable medium as recited in claim 20, wherein the method further comprises:
- wirelessly transmitting a discovery message,
- wherein the configuration request message wirelessly received at the first station is wirelessly transmitted by the second wireless station in response to the discovery message being wirelessly received by the second wireless station, and
- wherein the transmitting of the configuration message is after waiting for a backoff time interval.

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22. (Currently amended) A ~~earrier~~ computer-readable medium as recited in claim 21, wherein the method further comprises:

setting ~~the~~ an output RF power level to a relatively low level for the wirelessly transmitting of the discovery message,

such that the range of reception of the wirelessly transmitted configuration data message is limited.

23. (Currently Amended) A ~~earrier~~ computer-readable medium as recited in claim 21, wherein the wirelessly transmitting the discovery message includes:

wirelessly transmitting a discovery message at a first output RF power level;

waiting for ~~a~~ the configuration request message;

in the case that no configuration request message is wirelessly received within a period of time, wirelessly re-transmitting the discovery message at a higher output RF power level; and

repeating such waiting and re-transmitting until either a maximum output RF power level has been reached, or a configuration request message has been wirelessly received,

such that the range of reception of the wirelessly transmitted configuration data message is limited.

24. (Currently Amended) A ~~earrier~~ computer-readable medium as recited in claim 20, wherein the generating includes generating random numbers, and wherein configuration parameters includes a security key.

25. (Currently Amended) A ~~earrier~~ computer-readable medium as recited in claim 20, wherein the first wireless station is an access point (AP) of the network, and the second wireless station is a client station of the AP.

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26. (Currently Amended) A ~~carrier~~ computer-readable medium as recited in claim 25, wherein the wireless network substantially conforms to one of the IEEE 802.11 standards or a derivative thereof.
27. (Currently Amended) A ~~carrier~~ computer-readable medium as recited in claim 26, wherein the configuration parameters includes a WEP key.

28. (Cancelled)

29. (Currently Amended) A ~~carrier~~ computer-readable medium encoded with computer executable instructions that when executed by a processor in a first wireless station of a wireless network to carry out a method in the first wireless station, as recited in claim 28, wherein the method further comprises comprising:
- wirelessly transmitting a configuration request message,
- wirelessly receiving a configuration data message from a second wireless station, the configuration data message being transmitted by the second wireless station within a settable time interval in response to the second station receiving the configuration request message;
- extracting one or more configuration parameters from the configuration data message; and
- applying the one or more configuration parameters to the first wireless station to configure the first wireless station,
- such that the first wireless station can be automatically configured ~~configuration data message is transmitted by the second station in response to the second station receiving the configuration request message.~~
30. (Currently Amended) A ~~carrier~~ computer-readable medium as recited in claim 29, wherein the method further comprises:

wirelessly receiving a discovery message from the second wireless station

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such that the wirelessly transmitting of the configuration request message is in response to the receiving of the discovery message.

31. (Currently amended) A ~~earlier~~ computer-readable medium as recited in ~~claim 28~~ claim 29, wherein the first wireless station is configured only if a user selects the first wireless station to be configurable.
32. (Currently Amended) A ~~earlier~~ computer-readable medium as recited in claim 29, wherein the wirelessly transmitting a the configuration request message is in response to wirelessly receiving a command from a user.
33. (Currently amended) A ~~earlier~~ computer-readable medium as recited in ~~claim 28~~ claim 29, wherein the second wireless station is an access point (AP) of the wireless network, and the first wireless station is a client station of the AP.
34. ((Currently amended) A ~~earlier~~ computer-readable medium as recited in claim 33, wherein the wireless network substantially conforms to one of the IEEE 802.11 standards or a derivative thereof.
35. (Currently amended) A ~~earlier~~ computer-readable medium as recited in claim 34, wherein the configuration parameters includes a WEP key.
36. (Currently Amended) An apparatus in first a station of a wireless network, the apparatus comprising:

means for wirelessly receiving;

means for wirelessly transmitting; and

means for responding ~~to waiting~~ for a settable time interval for the means for wirelessly receiving to receive and respond to receiving a configuration request message from a second wireless, the means for responding including means for generating a configuration data message for the second wireless station including one or more configuration parameters for the second wireless

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station, and using the means for wirelessly transmitting to transmit the configuration data message to the second wireless station,

such that the second wireless station can be configured.

37. (Currently Amended) An apparatus as recited in claim 36,

_____ wherein the apparatus is configured such that the ~~further comprises~~:

_____ means for wirelessly transmitting ~~transmits a~~-discovery message, and

wherein the configuration request message is wirelessly transmitted by the second wireless station in response to the discovery message being wirelessly received by the second wireless station, and

_____ wherein the transmitting of the configuration message is after waiting for a backoff time interval.

38. (Currently Amended) An apparatus as recited in claim 37, wherein the apparatus further comprises:

means for setting ~~the~~ an output RF power level to a relatively low level for the wirelessly transmitting of the discovery message,

such that the range of reception of the transmitted configuration data message is limited.

39. (Currently Amended) An apparatus as recited in claim 37, wherein the means for wirelessly transmitting the discovery message includes:

means for wirelessly transmitting a the discovery message at a first output RF power level;

means for waiting for a configuration request message;

means for ascertaining whether no configuration request message has been wirelessly received within a period of time,

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means responsive to the means for ascertaining for wirelessly re-transmitting the discovery message at a higher output RF power level if it is ascertained that no configuration request message has been received within the period; and

means for repeating such waiting and re-transmitting until either a maximum output RF power level has been reached, or a configuration request message has been wirelessly received,

such that the range of reception of the transmitted configuration data message is limited.

40. (Original) An apparatus as recited in claim 36, wherein the generating includes generating random numbers, and wherein configuration parameters includes a security key.
41. (Currently Amended) An apparatus as recited in claim 36, wherein the first wireless station is an access point (AP) of the wireless network, and the second wireless station is a client station of the AP.
42. (Original) An apparatus as recited in claim 41, wherein the wireless network substantially conforms to one of the IEEE 802.11 standards or a derivative thereof.
43. (Original) An apparatus as recited in claim 42, wherein the configuration parameters includes a WEP key.
44. (Currently Amended) An apparatus in first a station of a wireless network, the apparatus comprising:

a wireless transceiver coupled to an antenna and able to wirelessly transmit and wirelessly receive messages to and from another wireless station;

a processor coupled to the transceiver and configured to respond to cause the wireless transceiver to wirelessly transmit a discovery message,

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in the case that a configuration request message is received from a second wireless station within a settable time period, the processor further configured:

to generate a configuration data message for the second wireless station including one or more configuration parameters for the second wireless station; and

to cause the wireless transceiver to transmit the configuration data message to the second wireless station,

such that the second wireless station can be configured.

45. (Original) An apparatus as recited in claim 44, further comprising:

a variable attenuator between the antenna and the transceiver,

such that the transmit power may be limited.

46. (Original) An apparatus as recited in claim 44, the apparatus further comprising:

a display that communicates the status of the configuration sequence to a user.

47. (Original) An apparatus as recited in claim 44, the apparatus further comprises:

a user interface wherein the wirelessly transmitting the discovery message in response to the user interface wirelessly receiving a command from a user, such that a user can initiate the configuration.

48. (Original) An apparatus as recited in claim 47, wherein the command includes one or more selectors, each selector corresponding to a set of configuration parameters, and wherein the generating a configuration data message includes configuration parameters from the set of configuration parameters corresponding to the selector.

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49. (Currently Amended) An apparatus in a first wireless station of a wireless network, the apparatus comprising:

means for wirelessly receiving;

means for wirelessly transmitting; and

means for responding to the means for wirelessly receiving wirelessly receiving a configuration data message from a second wireless station, the responding to wirelessly receiving a configuration data message including extracting one or more configuration parameters from the configuration data message, and applying the one or more configuration parameters to the first wireless station,

wherein the apparatus is configured such that the means for wirelessly transmitting transmits a configuration request message, and wherein the configuration data message is transmitted by the second wireless station within a settable time interval in response to the second station receiving the configuration request message,

such that the first wireless station can be configured.

50. (Cancelled).

51. (Currently amended) An apparatus as recited in ~~claim 50~~ claim 49, wherein the means for wirelessly transmitting a configuration request transmits in response to wirelessly receiving a discovery message from the second wireless station, the responding to wirelessly receiving a discovery message including wirelessly transmitting a configuration request message to the second wireless station.

52. (Original) An apparatus as recited in claim 49, wherein the first wireless station is configured only if a user selects the first wireless station to be configurable.

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53. (Currently amended) An apparatus as recited in ~~claim 50~~ claim 49, wherein the wirelessly transmitting a configuration request message is in response to wirelessly receiving a command from a user.
54. (Currently Amended) An apparatus as recited in claim 49, wherein the second wireless station is an access point (AP) of the wireless network, and the first wireless station is a client station of the AP.
55. (Original) An apparatus as recited in claim 54, wherein the wireless network substantially conforms to one of the IEEE 802.11 standards or a derivative thereof.
56. (Original) An apparatus as recited in claim 55, wherein the configuration parameters includes a WEP key.